

Form PTO-1449 U.S. Department of Commerce
(REV. 2-82) Patent and Trademark OfficeAtty. Docket No.
A28203-A-FWC-B-
240/31259Serial No.
08/465,322INFORMATION DISCLOSURE STATEMENT
BY APPLICANT
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Soderlund et al.Filing Date
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1807

U.S. PATENT DOCUMENTS

| Exam. Init. | Document No. | | | | | | | Date | Name | Class | Subclass | Filing Date if Appropriate |
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| CM | 4 | 6 | 5 | 6 | 1 | 2 | 7 | 4/7/87 | Mundy | 435 | 6 | — |
| | 4 | 6 | 8 | 3 | 2 | 0 | 2 | 7/28/87 | Mullis | 435 | 91.2 | — |
| | 4 | 8 | 0 | 0 | 1 | 5 | 9 | 1/24/89 | Mullis et al. | 435 | 91.2 | — |
| | 4 | 8 | 4 | 0 | 8 | 9 | 2 | 6/20/89 | Adams | 435 | 5 | — |
| ↓ | 4 | 8 | 5 | 1 | 3 | 3 | 1 | 7/25/89 | Vary et al. | 435 | 6 | — |
| CM | 4 | 8 | 6 | 3 | 8 | 4 | 9 | 9/5/89 | Melamede | 435 | 6 | — |
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FOREIGN PATENT DOCUMENT

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| WO | 8 | 9 | — | 0 | 9 | 8 | 3 | 5 | 4/7/89 | PCT International | — | — | — |
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OTHER DOCUMENTS (including Author, Title Date, Pertinent Pages, Etc.)

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|----|--|--|---|
| CM | | | Antonarakis, "Diagnosis of Genetic Disorders at the DNA Level," N. Engl. J. Med., <u>320</u> :153-163 (1989). |
| CM | | | Bos et al., "Prevalence of <u>ras</u> Gene Mutations in Human Colorectal Cancers," Nature <u>327</u> :293-297 (1987). |

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Date Considered

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| CH | Farr et al., "Analysis of RAS Gene Mutations in Acute Myeloid Leukemia by Polymerase Chain Reaction and Oligonucleotide Probes," Proc. Natl. Acad. Sci. USA, <u>85</u> :1629-1633 (1988). | |
| | Kaus et al., <u>Journal Of Clinical Investigation</u> , <u>83</u> :1095-1101, (1989). | |
| | Kerem et al., "Identification of the Cystic Fibrosis Gene: Genetic Analysis," <u>Science</u> , <u>245</u> :1073-1080 (1989). | |
| | Kleppe et al., "Studies on Polynucleotides," <u>J. Mol. Biol.</u> , <u>56</u> :341-361 (1971). | |
| | Mahley, "Apolipoprotein E: Cholesterol Transport Protein With Expanding Role in Cell Biology," <u>Science</u> , <u>240</u> :622-630, (1988). | |
| | McLean et al., "human Apolipoprotein E mRNA..." <u>J. Biol. Chem.</u> <u>259</u> :6498-6504 (1984). | |
| | McMahon et al., "Characterization of c-Ki-ras oncogene..." <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 84, pp. 4974-4978 (1987). | |
| | Morel et al., "Aspartic Acid at Position 57 of the HLA-DQ B Chain Protects Against Type I Diabetes: A Family Study," <u>Proc. Natl. Acad. Sci. USA</u> , <u>85</u> :8111-8115, (1988). | |
| | Mullis & Faloona, "Specifi. Synthesis of DNA in vitro v.s. Polymerase-Catalyzed" <u>Chem. Reaction. Meth. in Enzymol.</u> <u>155</u> , 335 (1987). | |
| | Mullis, <u>Scientific American</u> , pp. 56-65, April, 1990. | |
| | PCT Publication 0297379, Dattagupta, January 4, 1989. | |
| | PCT Publication 0899282, Holmes, March 22, 1990. | |
| | Scharf et al., "HLA Class II Allelic Variation and Susceptibility to Pemphigus Vulgaris," <u>Proc. Natl. Acad. Sci. USA</u> , <u>85</u> :3504-3508, (1988). | |
| | Syvanen et al., <u>Genomics</u> <u>8</u> :684-692, (1990). | |
| CH | Thomson, "HLA Disease Associations: Models for Insulin Dependent Diabetes Mellitus on the Study of Complex Human Genetic Disorders," <u>Annu. Rev. Genet.</u> <u>22</u> :31-50, (1988). | |

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| NOTICE OF REFERENCES CITED | | | | APPLICANT(S) | | Soderlund et al | | | | | | |
| U.S. PATENT DOCUMENTS | | | | | | | | | | | | |
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| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | | | | | |
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| Carla Myers | | 8-15-96 | | | | | | | | | | |
| * A copy of this reference is not being furnished with this office action. (See Manual of Patent Examining Procedure, section 707.05 (a).) | | | | | | | | | | | | |

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